

WHAT IS CLAIMED IS:

1. A high-frequency receiving unit comprising:

a casing configured to incorporate a high-frequency circuit which receives a high-frequency  
5 signal and a signal processing circuit which obtains at least one of a picture signal and a data signal from the received high-frequency signal;

a display disposed in an opening of the casing and configured to display an output of the signal  
10 processing circuit; and

an antenna configured to receive the high-frequency signal and to supply it to the high-frequency circuit,

wherein the antenna is disposed in any one of  
15 a top surface, a bottom surface, a right side surface, a left side surface and a back surface on the back side of an intermediate position for dividing the casing into two portions in a direction of depth.

2. A high-frequency receiving unit comprising:

20 a casing configured to incorporate a high-frequency circuit which receives a high-frequency signal and a signal processing circuit which obtains at least one of a picture signal and a data signal from the received high-frequency signal;

25 a display disposed in an opening of the casing and configured to display an output of the signal processing circuit; and

a plurality of antennas configured to receive the high-frequency signal and to supply it to the high-frequency circuit,

wherein said plurality of antennas are disposed in any one of a top surface, a bottom surface, a right side surface, a left side surface and a back surface on the back side of an intermediate position for dividing the casing into two portions in a direction of depth.

3. A high-frequency receiving unit according to claim 2, wherein said plurality of antennas are disposed in a plurality of surfaces of the top surface, the bottom surface, the right side surface, the left side surface and the back surface of the back side of the casing.

4. A high-frequency receiving unit according to claim 2, wherein at least one of said plurality of antennas is disposed on the right side of an intermediate position for dividing the back portion of the casing into left and right portions and at least one of said plurality of antennas is disposed on the left side of the intermediate position.

5. A high-frequency receiving unit according to claim 2, wherein at least one of said plurality of antennas is disposed at a distance of one quarter wavelength or more of the received signal separate from at least one other antenna.

6. A high-frequency receiving unit according to claim 2, wherein at least one of said plurality of antennas is disposed at a distance of 30 mm or more separate from at least one other antenna.

5           7. A high-frequency receiving unit according to claim 2, wherein the casing is constituted of a casing body configured to incorporate the signal processing circuit and a display casing configured to incorporate the display and to have a function that it can move  
10 with respect to the case body.

8. A high-frequency receiving unit according to claim 2, wherein the antenna is built in the casing.

9. A high-frequency receiving unit according to claim 8, wherein the case is raised in a portion in  
15 which the antenna is built.

10. A high-frequency receiving unit according to claim 8, wherein the portion of the casing in which the antenna is built has a marking to show the existence of the antenna.

20           11. A high-frequency receiving unit according to claim 2, wherein the antenna is mounted on the outside of the casing.

12. A high-frequency receiving unit according to claim 2, wherein at least one of the antennas is  
25 configured to able to move and has a function of varying an orientation of a radiant surface of the antenna or a distance between the antennas.

13. A high-frequency receiving unit according to claim 2, wherein either of a microstrip line placed on a flexible board and a coplanar line placed on a flexible board is used for connecting the antennas to the high-frequency circuit.

14. A high-frequency receiving unit according to claim 2, wherein the antenna is constituted of any one of a plane antenna, a helical antenna, and an antenna for circularly polarized waves.

15. A method of receiving high frequency, comprising:

receiving a high-frequency signal by an antenna disposed in any one of a top surface, a bottom surface, a right side surface, a left side surface and a back surface on a back side of an intermediate position for dividing a casing into two parts in a direction of depth; and

producing a signal to be displayed on a display from a high-frequency signal received by the antenna.